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PLASTEC NOTE 3

DEFENSE SPECIFICATIONS AND STANDARDS

for and relating to

REINFORCED PLASTICS



**MARCH
1963**

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PLASTICS TECHNICAL EVALUATION CENTER

PICATINNY ARSENAL
DOVER, NEW JERSEY

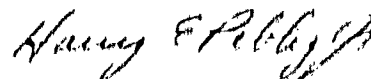
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for and relating to
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By
NORMAN E. BEACH

MARCH
1963

PLASTICS TECHNICAL EVALUATION CENTER
PICATINNY ARSENAL, DOVER, NEW JERSEY

ABSTRACT

This report presents the results of a search for Government specifications and standards which are for or related to reinforced plastics. The findings are listed in six tables, covering general specifications, materials, laminates, filled resins, sandwich construction, and applications. These have been given a simple organization, so that the reader may easily locate those specifications pertaining to his particular interest. The citations are current and complete. In addition to the number-date-title information, the reader can note whether there is a qualified products list issued for the specification, whether the specification is limited to one service or is broadly applicable, who prepared it, and who are its custodians. The tables are followed by an identification of the code used in citing the preparing activities and the custodians of the specifications, a numerical listing of the specifications cited, and a brief instruction on how to procure Government specifications. There are 149 specifications listed.

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INTRODUCTORY COMMENTS

THE INTENT of this document is to present the widest possible range of specifications and standards which relate (sometimes remotely) to the reinforced plastics field. Thus, laminates are pursued all the way to safety glass and barrier materials; filled materials appear as a concept of resin strengthening; and quite general tests are included. The desire has been to provide a generous reference. The selection is not to be construed as definitive.

SOURCE used was the Department of Defense Index of Specifications and Standards, 30 July 1962. This was supplemented by examination of specifications with promising titles for determination of applicability. References within specifications also provided leads to the more remote, but pertinent, specifications. Not covered are purchase descriptions, tentative specifications, and other within-service specifying media.

THREE LIMITATIONS must be recognized, all of which relate to the sources:

- Possibility of human error in the scanning of some 18,000 items.
- Possibility that the specification title did not reflect the tie-in with reinforced plaintext.
- Possibility of change in the specification within the time between compilation of the DOD Index and its issuing, or between the writing of this document and its publication. This could be the revision, amendment, or deletion of existing specifications or the appearance of new specifications.

IN SCOPE, the aim has been to include specifications pertaining to all aspects of the reinforced plastics field: those on the basic or raw materials, those on the resin/reinforcement combinations, those on the applications of reinforced plastic, and those of a general nature covering requirements, test methods, tolerances, and so on. Under this broad approach, there are included all specifications which are considered to relate to any resin/reinforcement combination that can be fabricated by any of the open-mold (hand layup, sprayup, filament winding, etc.) or closed-mold (matched metal molding, premixes, etc.) processes.

TYPES OF SPECIFICATIONS covered can be identified from the listings. Six kinds are involved in this study:

Military Handbook MIL-HDBK-(number)

Military Standards:
 Book-type MIL-STD-(number)
 Pamphlet-type MS-(number)

Military Specifications ----- MIL-(LETTER)-
(number)

Federal Standards	FED-STD-(number)
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Federal Specifications ----- (LETTER, -S)-
(LETTER)-(number)

Amendment to a specification is identified by a bracketed number following the basic specification number; for example, MIL-A-25463 (2), which indicates that a second amendment governs that specification. Revision is identified by the suffixing of a capital letter to the specification number; for example, MIL-P-15035C, which shows that the third revision of this specification is in effect.

QUALIFIED PRODUCTS LISTS (QPL's) are issued for some materials. These QPL's bear the same numbers as the specifications to which they relate. When such are available, it is noted by crossmark in the QPL column in the tables. The activity responsible for the qualified products list is the Chief of the Bureau of Ships, Department of the Navy, Washington 25, D. C., and information pertaining to qualification of products may be obtained from that activity.

COORDINATED SPECIFICATIONS cover items of common use. They are the result of cooperative effort of the three services. **LIMITED COORDINATION SPECIFICATIONS** are of interest to a single military department, or are prepared to satisfy an immediate procurement need. The latter are identified by crossmark in the limited coordination column (L. C.) in the tables.

PREPARING ACTIVITY and **CUSTODIAN** are identified, by letter code, in the appropriate columns in the tables. Expansion of the code is given at the end of the tables. The absence of a custodian notation for any listed document indicates that the department has no existing requirement for the product or service covered by the document. The document is therefore not applicable to the procurements of that department unless specifically invoked in contracts or orders.

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Table 1. General Specifications

Part	Coverage	Number	Date	Title	QPL	L. G.	Prepared by	Condition
a	Comprehensive	MIT-M-14F(4)	10 August 1961	Molding Plastics and Molded Plastic Parts, Thermosetting.	X	X	NH	NH/NH/AND
		MIT-H10K-17	8 November 1960	Plastics for Flight Vehicles: Reinforced Plastics -----	X	X	AND	WP/AND
		MIT-H10K-23	8 September 1960	Composite Construction for Flight Vehicles - Part I: Fabrication, Inspection, Durability, and Repair.	X	X	AND	WP/AND
b	Requirements	MIT-RTD-872	21 July 1960	Dimensional Tolerances of Molded Plastic Items -----	X	X	ON	ON
		MIT-P-7004A	23 May 1961	Plastic Parts, Aircraft Exterior, General Requirements and Tests for Main-Structure Protection of.	X	X	AND	TC/AND
		MIT-A-8087C	16 March 1961	Adhesive Bonding, Process and Inspection Requirements for.	X	X	WP	ON/WP/AND
		MIT-P-8400A(1)	12 June 1961	Plastic Laminate Materials and Sandwich Construction, Process Specification Requirements.	X	X	WP	ON/WP/AND
c	Tests	MIT-RTD-176	30 November 1959	Adhesives, Methods of Testing -----	X	X	ON	YD/AND
		MIT-RTD-854 Change 1	28 November 1959	Temperature and Humidity Test for Use in Production of Fuses.	X	X	WP	ON/AND
		MIT-RTD-401A Change 1	20 September 1961	Sandwich Constructions and Core Materials, General Test Methods.	X	X	WP	ON
		MIT-RTD-406	5 October 1961	Plastics, Methods of Testing -----	X	X	NH	ON/NH/AND
		MIT-RTD-870	8 June 1960	Classification System and Tests for Cellular Rigid Foams Materials.	X	X	ON	ON
		MIT-P-8071A	7 July 1965	Plasticizer Content for Transparent Laminated Clearing Materials, Determination of.	X	X	AND	AND
d	Other	MIT-C-74801	4 February 1965	Coating System, Monomers, Main Structure Reinforced, and Main Structure Reinforced with Anti-Matte Treatment, for Exterior Aircraft and Missile Plastic Parts.	X	X	AND	ON/WP/AND
		MIT-R-10007C	7 September 1960	Repair Kit, Glass Reinforced Plastic Laminates -----	X	X	NH	NH

Table 2. Specifications on Basis of New Materials

Part	Material	Number	Date	Title	QPI	In Q.	Prepared by	Disposition
a	Adhesives	MIT-A-140A	23 November 1953	Adhesive, Water-Resistant, Waterproof Barrier Material---	X	-	OM	OM/WP/AND
		MIT-A-997A	18 September 1953	Adhesive, Synthetic Resin (For Phenolic Lamination)-----	X	-	OM	OM/AND
		MIT-A-8090B	8 August 1950	Adhesive, Heat Resistant, Airframe Structural Metal to Metal.	X	-	WP	WP/AND
		MIT-A-808090C	27 March 1950	Adhesive, Heat Resistant, Airframe Structural Metal to Metal.	-	-	AND	AND
		MIT-A-5433A(2)	30 November 1954	Adhesive, Application of Room-Temperature and Intermediate-Temperature-Melting Resin (Phenol, Neoprene, and Melamine Base).	-	-	WP	NO/AND
		MIT-A-5623A(1)	23 September 1950	Adhesive, Epoxy Resin, Metal-to-Metal Structural Bonding---	X	-	WP	OM/WP
		MIT-A-14042	17 July 1959	Adhesive Epoxy -----	-	X	OM	OM
		MIT-A-21066(1)	11 May 1960	Adhesive, Plastic Tape-Tape Material to Aluminum Bonding.	-	X	NI	"
		MIT-A-8048B(2)	18 October 1961	Adhesive, Metallic Structural Sandwich Construction -----	X*	X	WP	WP/AND
		MIT-A-4805i	17 April 1961	Adhesive, Room Temperature and Intermediate Temperature Melting Resin (Phenol, Neoprene, and Melamine Base).	-	X	OM	"
		MIT-A-52134	14 September 1961	Adhesive, Epoxy (for Bonding Glass Reinforced Polyester)---	-	X	OM	OM
b	Core Materials	MIT-C-8133A(1)	23 June 1953	Cellular Phenolic Materials, Fabricated Parts -----	-	-	OM	OM/NI/AND
		MIT-C-7458C(2)	2 March 1961	Core Material, Aluminum, for Sandwich Construction -----	X	-	WP	OM/WP/AND
		MIT-N-7558	26 November 1953	Sandwich Construction Core Material, Maple Wood -----	-	-	WP	OM/AND
		MIT-RTD-8075A(1)	27 January 1961	Core Material, Plastic Honeycomb, Laminated Glass Fabric Resin, for Aircraft Structural Applications.	-	-	"	OM
		MIT-C-8075A	27 January 1961	Core Material, Plastic Honeycomb, Laminated Glass Fabric Resin, for Aircraft Structural Applications.	X	-	WP	OM/WP/AND
		MIT-C-8087H	4 March 1961	Core Material, Formed-in-Place, Polyester-Neoprene Type (AMC).	-	-	WP	WP/AND
		MIT-C-18545	21 December 1954	Core Material, Cellular Cellulose Acetate -----	X	X	WP	"
		MIT-N-21040(1)	28 February 1958	Honeycomb Materials, Structural, Paper Base, Marine Construction.	-	X	NI	"
		MIT-C-8122A	30 October 1959	Core Material, Metallic, Heat-Resisting, for Structural Sandwich Construction.	X	-	WP	OM/WP/MCM
		MIT-P-9118A(1)	27 February 1961	Finish, for Glass Fabric -----	X	-	WP	OM/WP/AND
		MIT-Y-1140C	16 February 1956	Yarn, Cord, Slaying, Cloth, and Tape-Glass -----	-	-	NI	NO/AND
		MIT-C-6084H	22 January 1960	Cloth, Glass, Finished, for Polyester Resin Lamination ----	-	-	WP	WP/AND
c	Glass	MIT-P-12458	24 October 1952	Fabric, Glass, Woven -----	-	X	OM	OM
		MIT-M-10617A(1)	23 February 1956	Mats, Fibrous Glass, for Reinforcing Plastics -----	-	-	NI	OM/MCM
		MIT-C-19653A	17 January 1958	Cloth, Glass, Woven Nonwoven, for Plastic Lamination -----	-	X	NI	"
		MIT-N-8088C(1)	30 September 1960	Tape and Webbing, Textile, Reinforcing, Nylon -----	-	-	AND	QM/WP/AND
		MIT-N-2745	30 April 1953	Resin, Phenol-Formaldehyde, Laminating -----	-	-	OM	OM/MI
		MIT-N-7875B(1)	8 February 1961	Resin, Polyester, Low-Pressure Laminating -----	X	-	WP	NO/WP/AND
		MIT-N-8090A(1)	18 April 1961	Resin, Phenolic, Low-Pressure Laminating (AMC) -----	X	-	WP	WP/AND
		MIT-N-8300A	8 February 1961	Resin, Epoxy, Low-Pressure Laminating -----	X	-	WP	OM/WP/AND
		MIT-N-21607(1)	28 June 1961	Resin, Polyester, Low-Pressure Laminating, Fire Resistant.	-	X	NI	"
		MIT-N-2193(2)	8 July 1960	Resin, Epoxy -----	-	X	WP	WP
		MIT-N-23048A	16 July 1960	Resin, Polyester, High Temperature Resistant, Low-Pressure Laminating.	-	-	WP	OM/AND
		MIT-N-25506A	22 March 1961	Resin, Silicone, Low-Pressure Laminating (AMC) -----	X*	-	WP	WP/AND
		MIT-P-48038	22 August 1961	Plastic, Polyester, Low-Pressure Laminating, High Temperature Resistant.	-	X	OM	OM

* QPI, not yet issued

Table G: Specifications on Lamination

Part	Reinforcement	Number	Date	Notes	QPL	LC	Prepared by	Qualification
a	Arduous base	MIT-P-8068A(1)	2 June 1960	Plastic Material, Laminated, Thermosetting, Molds and Tubes, Arduous Base, Phenolic Resin.	-	-	-	AND
		MIT-P-80770	27 November 1961	Plastic Materials, Arduous Base, Phenolic Resin, Low or High Pressure Laminated (ARC).	-	-	WP	WP/AND
b	Cotton base	MIT-P-8068A(2)	10 June 1960	Plastic Material, Laminated, Thermosetting, Molds, Cotton-Fabric Base, Post Forming.	-	-	WP	OM/AND
		MIT-P-10006C	10 January 1960	Plastic Sheet, Laminated, Thermosetting, Cotton-Fabric Base, Phenolic Resin.	-	-	NH	NC/NH/AND
		MIT-P-10024B	1 January 1960	Plastic Material, Laminated, Phenolic, for Coverings (Water or Grease Impervious).	X	X	NH	-
		MIT-P-80074A	17 March 1960	Plastic Sheet, Phenolic Resin, Laminated, Thermosetting, Cotton-Fabric Base (for Missile Application).	-	X	OM	OM
		MIT-P-80074C	20 June 1961	Plastic Material, Laminated, Thermosetting, Electrical Insulation, Molds, Glass Cloth, Milspec Resin.	X	-	NH	NC/NH/AND
c	Glass base (fabric)	MIT-P-80102(1)	8 October 1960	Plastic Materials, Polyester Resin, Glass Fiber Base, Low Pressure Laminated.	-	-	AND	OM/NH/AND
		MIT-P-10007C	10 March 1961	Plastic Sheet, Laminated, Thermosetting, Glass Cloth, Melamine Resin.	X	-	NH	NC/NH/AND
		MIT-P-17640C(1)	26 June 1961	Plastic Lamination, Fibrous Glass Reinforced, Marine Structures.	-	X	NH	-
		MIT-P-17721C(1)	30 March 1961	Plastic Sheet, Laminated, Thermosetting, Glass Mat, Melamine Resin.	X	-	NH	NC/NH
		MIT-P-18177C	15 December 1961	Plastic Sheet, Laminated, Thermosetting, Glass Fiber Base, Epoxy Resin.	X	-	NH	NH/MOM
		MIT-P-10101A(1)	7 February 1961	Plastic Sheet, Laminated, Glass Cloth, Polytetrafluoroethylene Resin.	X	-	NH	OM/NH/AND
		MIT-C-21700A	16 September 1960	Glass-Fiber Base Laminates, Epoxy Resin	-	X	WP	WP
		MIT-P-80000	26 October 1960	Plastic Lamination, Glass Fabric Base, High Strength	-	X	WP	WP
		MIT-P-80000	4 October 1967	Plastic Materials, Heat Resistant, Low Pressure Laminated, Glass Fiber Base, Polyester Resin.	-	X	AND	AND
		MIT-P-80481A(1)	30 June 1961	Plastic Materials, Glass Fiber Base, Epoxy Resin, Low Pressure Laminated.	-	-	WP	TC/WP/AND
		MIT-P-80010A(1)	9 May 1961	Plastic Materials, Phenolic Resin, Glass Fiber Base, Low Pressure Laminated (ARC).	-	-	AND	WP/PMC
		MIT-P-80010A	7 March 1961	Plastic Materials, Milspec Resin, Glass Fiber Base, Low Pressure Laminated (ARC).	-	-	WP	WP/AND
		MIT-P-40040A	10 April 1961	Plastic Sheet, Phenolic, Glass Fabric Reinforced, Heat Resistant.	-	X	OM	-
		MIT-C-8787C	12 February 1962	Glass, Laminated, Flat (Exposed Aircraft)	-	-	OM	OM/MOM
		MIT-C-6400B	5 December 1967	Glass, Laminated, Flat, Bullet-Resistant	X	-	WP	OM
		MIT-C-7707A	13 May 1967	Glass, Curved Laminated, Plain Edge, Extended Plastic Edge, and Extended Plastic Edge with Metal Reinforcement.	-	-	WP	OM
d	Glass base (sheet)	MIT-C-8002A(2)	31 May 1967	Glass, Laminated, Flat, Aircraft	-	-	OM	OM/MOM
		MIT-C-80871A(1)	24 November 1960	Glass, Laminated, Aircraft Claxing	-	X	AND	WP/AND
		MIT-P-100471(1)	20 March 1962	Plastic Material, Laminated Thermosetting Molds, Nylon Fabric Base, Phenolic Resin.	-	-	NH	NC/NH/AND
e	Nylon base	MIT-C-4000A	20 March 1962	Cloth, Laminated, Vinyl-Nylon, High Strength Flexible	-	X	OM	OM
f	Paper base	MIT-P-8110C	22 June 1961	Plastic Sheet, Laminated, Thermosetting, Paper Base, Phenolic Resin.	X	-	NH	NC/NH/AND
		MIT-P-80024A	8 April 1962	Plastic Sheet, Laminated, Thermosetting, Paper Base, Epoxy Resin.	X	-	NH	NC/NH
g	Miscellaneous	MIT-P-78A(4)	20 June 1961	Plastic Material, Laminated, Thermosetting (for Designation Plates)	-	-	NH	NC/NH/AND
		MIT-P-70C	15 June 1961	Plastic Materials, Laminated, Thermosetting Molds and Tubes	-	-	NH	NC/NH/AND
		MIT-P-100491	15 March 1960	Plastic Sheet, Laminated, Copper Cloth	-	-	NC	NC/NH/AND
		MIT-P-80074A(1)	5 January 1961	Plastic Sheet, Acrylic, Modified Laminated	X	-	WP	TC/WP/AND

For explanation of footnotes, see end of table.

Table 3. Specifications on Laminates - Continued

Part	Reinforcement	Number	Date	Title	QPL	In. Cr.	Prepared by	Condition
a	(In preparation)	MIT-P-43187(MM)	*	Plastic, Pre-impregnated, Glass Mat, Polyester Resin ***	*	*	OM	*
		1-1-31	4 November 1958	Laminated Thermosetting Resins, Resins, and Tubes ****	*	*	QM	*
b	Barrier Mats - Plain	MIT-P-1218	31 May 1959	Barrier Material, Glass-reinforced, Waterproofed, Flexible	X	*	OM	OM/BA/MOM
		MIT-P-1310(R)	17 January 1961	Barrier Material, Water Vaporproof, Flexible *****	X	*	WP	OM/WP/AND
		MIT-P-3008A	13 April 1960	Barrier Material for Moderately Waterproof Interior Packaging Bags	*	*	OM	OM/MOM
		MIT-P-13289A	19 August 1959	Barrier Material, Waterproofed, Flexible, All Temperature	X	*	OM	OM/BA

* Available based on literature

* Various known

* QPL not yet issued

Table 4. Specifications on Filled Materials

Part	Filler	Number	Date	Title	QPL	In. Cr.	Prepared by	Condition
a	Asbestos	MIT-M-11086	20 September 1958	Molding Plastic and Molded Plastic Parts, Asbestos Fiber Filled, Aramid and Fiberglass-Reinforced Phenolic Resin	X	X	MM	*
		MIT-P-43090	18 June 1958	Plastic, Asphalt, Asbestos Filled, Molding Material *****	*	X	OM	OM
b	Norcel	MIT-P-19386(1)	2 March 1960	Plastic Resins, Polyethylene, Virgin and Norcel, Neutrol Molding	*	X	MM	*
c	Glass	MIT-M-19880(S)	28 July 1960	Molding Plastic and Molded Plastic Parts, Glass Fiber Filled, Locally Phthalate Resin	X	X	MM	MM
		MIT-M-19887	10 May 1967	Molding Plastic, Polyamide Resin (Mylar) Glass Fiber Filled and Molded Polyamide Resin Glass Fiber Filled Plastic Parts	*	X	MM	*
		MIT-M-21347A(1)	18 July 1961	Molding Plastic, Polystyrene, Glass Filled *****	*	*	OM	OM
		MIT-M-22120	18 July 1959	Molding Plastic, Polystyrene, Glass Filled, Fabricated Parts	*	*	OM	OM
		MIT-P-43048(OMD)	19 October 1961	Plastic, Polyester, Glass Fiber Filled, Pre-impregnated Molding Compound	*	X	OM	OM
d	Graphite	MIT-P-1431(1)	4 December 1958	Plastic, Phenolic, Graphited, Resins, Resins, Tubes, and Shapes	*	X	WP	*
e	Paper	MIT-P-18617A	25 March 1959	Plastic, Thermosetting, Paper-Filled Preforms *****	*	*	NO	OM/WP/AND
f	Unspecified	MIT-P-15496A	2 February 1960	Plastic Resin, Filled Phenolic, Unfilled *****	*	*	NO	NO/OM/AND

* Organic or Inorganic short-fiber filler

Table 5. Specifications on Sandwich Construction

Part	Type	Number	Date	Title	QPL	In. Cr.	Prepared by	Condition
a	Aluminum	MIT-P-7811	28 August 1958	Sandwich Construction, Aluminum Alloy Faces, Aluminum Foil Honeycomb Core	*	X	WP	*
b	Glass	MIT-P-9041A(R)	20 July 1961	Sandwich Construction, Plastic Resin, Glass Fabric Resin, Laminated Facing, and Honeycomb Core for Aircraft Structural Applications	*	*	WP	OM/WP/AND
		MIT-P-13388	8 November 1957	Sandwich Construction, Plastic Resin, Glass Fabric Resin, Laminated Facing, and Polyester Diisocyanate Formed in-Place Core for Aircraft Structural Applications	*	X	AND	AND
c	Wood	MIT-P-17017(1)	24 August 1958	Sandwich Construction, Aluminum Alloy Facing, Balsa Wood Core	*	X	WP	*

Table 6. Specifications on Application of Reinforced Plastic

Part	Area	Number	Date	Title	QPI	In. C.	Prepared by	Condition
a	Insulation	MI-1-11000(N)	24 October 1960	Insulation Tape, Electrical Glass Fiber (Mesh-Filled) and Cord, Fibrous Glass.	*	*	NH	NO/NH/DAV
		MI-1-17410	31 May 1962	Wire, Electric, Fluorocarbon Insulated, Type V, TFM, PEP, and Fibrous Glass, Silver-Coated Copper.	*	X	WP	*
		MI-1-1807A(1)	10 March 1961	Insulation Molding, Electrical, Flexible, Glass Fiber, Silicone Rubber Trunked.	*	*	NH	NO/NH/DAV
		MI-1-1869A	8 June 1960	Insulation Tape, Electrical Pressure Sensitive, Silicone Rubber Trunked Glass, Electrical Cable Molding, Naval Shipboard.	*	X	NH	DAV
		MI-1-1919A(3)	21 January 1962	Insulation Tape, Electrical, High Temperature, Glass Fiber, Pressure Sensitive.	X	X	NH	NH
		MI-1-1952A	22 November 1960	Insulation Molding, Electrical, Potted-Mold, Silicone Bonded.	X	X	NH	*
		MI-1-1962(N)	14 April 1960	Insulation, Electrical, Thermoplastic Resin, Laminated, Plastic Film, and Wax Paper.	*	X	NH	NH
		MI-1-19817	15 June 1967	Insulation Sheet, Electrical, Mica Paper, Silicone Bonded.	X	X	NH	*
		MI-1-21087A	19 May 1961	Insulation Molding, Electrical, Flexible, Glass Fiber, Vinyl Trunked.	X	X	NH	NH
		MI-1-21444(1)	8 June 1960	Insulation Tape, Electrical, Self-Healing Silicone Rubber Trunked Glass Weave Glass, Cable Molding, Naval Shipboard.	*	X	NH	*
		MI-1-2265A	12 April 1962	Insulation, Electrical, Thermoplastic Resin, Laminated, Plastic Film, and Synthetic Fiber Mat.	*	X	NH	*
b	Microfilm	MI-1-C-878A	15 May 1958	Cloth, Laminated, Cotton, Rubber or Synthetic Rubber Coated, Flexible Texture.	*	*	QM	QM/MID
		MI-1-H-3000	18 November 1964	Resin, Polyurethane, Glass-Filled	*	*	ON	ON
		MI-1-C-3302B	30 September 1959	Cloth, Coated and Laminated, Chloroprene on Nylon	*	*	WP	QM/ABD
		MI-1-C-3074	4 January 1964	Cloth, Laminated, Cotton Mat, Two-Ply Rubberized	*	X	AND	AND
		MI-1-P-10602	6 November 1960	Cloth, Plastic, Glass Fabric Mesh, Low Pressure Laminated.	*	X	NO	NO
		MI-1-C-11000	4 May 1962	Cloth, Laminated, Cotton Balloon, Three-Ply Air Retaining, Chloroprene.	*	X	QM	QM
		MI-1-C-1400A(3)	27 March 1961	Cloth, Coated and Cloth, Laminated, Polychloroprene (for Radiometric Imaging Equipment).	*	X	ON	ON
		MI-1-P-2224B(N)	15 November 1961	Pipe and Pipe Fittings, Thermosetting Reinforced Plastic	X*	X	YD	*
		MI-1-C-22487	17 February 1960	Cloth, Laminated, Rubber on Nylon, Indestructible Floor	*	X	WP	*
		MI-1-C-23070(1)	27 April 1962	Cloth, Laminated, and Tape, Coated-Cloth, Natural Rubber on Nylon.	X*	X	WP	*
		1-C-480	18 July 1955	Cladding Material, Flexible Reinforced Plastic	*	*	ON	*
		1-C-592A	11 September 1958	Tape, Pressure-Sensitive Adhesive, Identification (Ablative Fiber).	*	*	QM	QM
		PPP-T-270	30 October 1958	Tape, Pressure-Sensitive Adhesive, Filament Reinforced	*	*	MON	MON
		1-P-505	9 December 1958	Plastic Sheet, Corrugated, Translucent, Cladding	*	*	ON	ON/ABD
c	Miscellaneous	MI-1-W-1050B	8 September 1960	Water Tank, Laminated Plastic	*	X	ON	ON
		MI-1-H-1300A	21 March 1958	Resin, Anhydride, Plastic, 16-ft	*	X	ON	ON
		MI-1-T-1717A(N)	15 October 1955	Table Top, Plastic, Thermosetting Resin	*	X	NH	*
		MI-1-H-1964(N)	25 June 1958	Shell, Glass Fiber Reinforced for Torpedoes Mark 43 Models 1, 2, 3, and 4.	*	X	WP	*
		MI-1-H-23199	1 June 1960	Helmet, Mollo's Reinforced Plastic, MK3 MOD C	*	X	WP	WP
		MI-1-P-23259	20 March 1962	Furniture, Metal Frame, Laminated Plastic Reinforced Panel Type for MOC's.	*	X	YD	*
		MI-1-T-2330A	26 July 1960	Tank, Pneumatic Pressure, Aircraft, Glass Fiber	X*	X	AND	AND
		MI-1-T-2330	12 April 1962	Tank, Pneumatic Pressure, Aircraft, Glass Fiber Sphere	*	X	AND	AND
		1-T-41A(1)	23 June 1954	Table Top Assembly (Plastic Thermosetting Resin Laminated).	*	*	MD	*

QPI: NH YRI ISSUED

CODE IDENTIFICATION

Preparing Activities and Custodians

<u>Code</u>	<u>Identification</u>
AFSC *****	Hq., Air Force Systems Command (AFSC)
ASD *****	Aeronautical Systems Division (AFSC)
CE *****	U.S. Army Corps of Engineers
CM *****	U.S. Army Chemical Corps
DAY *****	Dayton Air Force Depot AFLC (MDNS)
MD *****	U.S. Army Medical Service
MID *****	Middletown Air Material Area AFLC (MANT)
MOB *****	Mobile Air Materiel Area AFLC (MONH)
OR *****	U.S. Army Materiel Command (Formerly "Ordnance Corps")
QM *****	U.S. Army Quartermaster Corps
SA *****	U.S. Navy Bureau of Supplies and Accounts
SC *****	U.S. Army Signal Corps
SH *****	U.S. Navy Bureau of Ships
TC *****	U.S. Army Transportation Corps
WP *****	U.S. Navy Bureau of Weapons
YD *****	U.S. Navy Bureau of Yards and Docks

NUMERICAL LISTING OF SPECIFICATIONS CITED

Specification	Table	Part
MIL-M-14P	1	M
MIL-HDBK 17	1	M
MIL-HDBK 23	1	M
L-L-31	3	M
L-T-41A	6	O
MIL-P-78A	3	M
MIL-P-79C	3	M
PPP-T-97C	6	O
L-T-99A	6	O
MIL-D-121B	3	O
MIL-D-181C	3	O
MIL-A-140A	2	M
FWD-NITD-175	1	O
MIL-NITD-354	1	O
MIL-NITD-401A	1	O
FWD-NITD-408	1	O
L-C-428	6	O
L-P-508	6	O
MIL-NITD-870	1	O
MIL-NITD-872	1	O
MIL-C-678A	6	O
MIL-A-927A	2	M
MIL-P-997C	3	O
MIL-Y-1140C	2	O
MIL-P-8115C	3	O
MIL-C-8133A	2	O
MIL-I-8158C	6	O
MIL-H-8746	2	O
MIL-C-8787C	3	O
MIL-H-8886	6	O
MIL-H-8886A	3	O
MIL-T-8888C	2	O
MIL-A-888890C	2	M
MIL-A-88889D	2	M
MIL-C-88889H	6	O
MIL-P-8431	4	O
MIL-A-8438A	2	M
MIL-C-8485B	3	O
MIL-P-7094A	1	O
MIL-C-7438C	2	O
MIL-C-7439B	1	O
MIL-H-7575B	2	O
MIL-C-7707A	3	O
MIL-N-7811	6	O
MIL-N-7898	2	O
MIL-P-8013C	3	O
MIL-P-8059A	3	M
MIL-C-8073A	2	O
MIL-NITD-8073A	2	O
MIL-C-8087B	2	O
MIL-C-8602A	3	O
MIL-A-8623A	2	M
MIL-P-8655A	3	O
MIL-N-9041A	6	O
MIL-A-9087C	1	O
MIL-P-9071A	1	O
MIL-C-9074	6	O
MIL-C-9084B	2	O
MIL-P-9118A	2	O
MIL-H-9299A	2	O
MIL-R-9360A	1	O
MIL-P-9400A	2	O
MIL-W-10805	6	O
MIL-T-10852	6	O
MIL-C-11390B	6	O
MIL-P-12398	3	O
MIL-D-12398B	3	O

Specification	Table	Part
MIL-P-13436A	4	O
MIL-D-13592A	6	O
MIL-P-13949B	3	O
MIL-A-14042	2	M
MIL-C-14508A	6	O
MIL-P-15035C	3	O
MIL-P-15037C	3	O
MIL-P-15047B	3	O
MIL-M-15817A	2	O
MIL-P-16017A	4	O
MIL-T-17171A	6	O
MIL-T-17410	6	O
MIL-P-17549B	3	O
MIL-H-17917	5	O
MIL-P-18057A	6	O
MIL-P-18177C	3	O
MIL-P-18224B	3	O
MIL-C-18848	2	O
MIL-P-18822A	6	O
MIL-P-19161A	3	O
MIL-I-19188A	6	O
MIL-P-19380A	4	O
MIL-H-19384B	6	O
MIL-I-19520A	6	O
MIL-I-19834B	6	O
MIL-C-19888A	2	O
MIL-M-19888	4	O
MIL-M-19887	4	O
MIL-R-19907C	1	O
MIL-I-19917	6	O
MIL-H-21040	2	O
MIL-C-21275A	2	O
MIL-M-21347A	4	O
MIL-A-21366	2	M
MIL-M-21555	4	O
MIL-I-21557A	6	O
MIL-R-21607	2	O
MIL-C-21720A	3	O
MIL-R-21931	2	O
MIL-M-22153	4	O
MIL-H-22199	6	O
MIL-P-22245	6	O
MIL-P-22324A	3	O
MIL-C-22427	6	O
MIL-I-22444	6	O
MIL-P-22608	6	O
MIL-I-22834A	6	O
MIL-C-23070	6	O
MIL-F-23239	6	O
MIL-R-25042A	2	O
MIL-T-25363A	6	O
MIL-P-25374A	3	O
MIL-N-25592	5	O
MIL-P-25595	3	O
MIL-P-25421A	3	O
MIL-A-25463	2	M
MIL-R-25508A	2	O
MIL-P-25515A	3	O
MIL-P-25518A	3	O
MIL-P-25570	3	O
MIL-C-25871A	3	O
MIL-27201	6	O
MIL-C-43008A	3	O
MIL-P-43038	2	O
MIL-P-43043	2	O
MIL-P-43090	4	O
MIL-P-43127(MR)	3	O
MIL-P-48540A	3	O
MIL-A-48581	2	M
MIL-A-52194	2	M
MIL-P-55071A	3	O

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by Norman E. Beach

UNCLASSIFIED

1. Reinforced plastics -
Specifications - Manual

PLASTEC Note 1, March 1961, 11 pp.
Unclassified Report

1. Beach, N. E.

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